"ANTI-HYPERTENSIVE COMPOSITION AND METHODS OF TREATMENT"

I CLAIM:

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1. A pharmaceutical composition for the treatment
2 of hypertension comprising an effective anti-hypertensive
3 amount of at least one compound in association with a pharma4 ceutically acceptable, substantially non-toxic carrier or
5 excipient; said compound having one of the formulae:

R-N¹-(CH₂)_m-N²-(CH₂)_n-N³-(CH₂)_m-N⁴-R'

R₁

R₂

R₃

R₄

(I);

wherein: R and R' may be the same or different and are H, alkyl or aralkyl having from 1 to 12 carbon atoms;

 $R_1 - R_6$ may be the same or different and are H, R or R';

R₇ is H, alkyl, aryl or aralkyl having from 1 to 12 carbon atoms;

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16	m and n may be the same or different and
17	are integers from 3 to 10, inclusive;
18	a - e may be the same or different and
19	are integers from 3 to 10, inclusive;
20	or
21	(IV) a salt of (I), (II) or (III) with a pharmaceutically
22	acceptable acid.
1	2. A composition according to claim 1 wherein m is
2 =	3 and n is 4.
1	3. A composition according to claim 1 wherein m
2	and n are 3.
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1	4. A composition according to claim 1 wherein m
2	and n are 4.
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1	5. A composition according to claim 1 wherein R
2	and R' are alkyl.
1	6. A composition according to claim 1 wherein R
2	and R' are aralkyl.
1	7. A composition according to claim 1 wherein R
2	and R' are methyl.

1 A composition according to claim 1 wherein R 2 and R' are ethyl. 1 A composition according to claim 1 wherein R 2 and R' are propyl. A composition according to claim 1 wherein R, 1 2 and R are benzyl. THE THE THE THE STATE OF THE ST 11. A method of effecting anti-hypertensive action which comprises administering to a patient requiring antihypertensive effect at least one compound having one of the formulae: $R-N^{1}-(CH_{2})_{m}-N^{2}-(CH_{2})_{n}-N^{3}-(CH_{2})_{m}-N^{4}-R'$ R_{1} R_{2} R_{3} R_{4} $R-N^{1}-(CH_{2})_{a}-N^{2}-(CH_{2})_{b}-N^{3}-(CH_{2})_{c}-N^{4}-(CH_{2})_{d}-N^{5}-(CH_{2})_{e}-N^{6}-R'$ R_{1} R_{2} R_{3} R_{4} R_{5} R_{5}

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(III); wherein: R and R' may be the same or different and

are H, alkyl or aralkyl having from 1 to ·12 carbon atoms; $R_1 - R_6$ may be the same or different and are H, R or R';

(I);

(II);

13	R ₇ is H, alkyl, aryl or aralkyl having
14	from 1 to 12 carbon atoms;
15	m and n may be the same or different and
16	are integers from 3 to 10, inclusive;
17	a - e may be the same or different and
18	are integers from 3 to 10, inclusive;
19 '	or
20	(IV) a salt of (I), (II) or (III) with a pharmaceutically
21	acceptable acid.
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1	12. A method according to claim 11 wherein m is 3
2	and n is 4.
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1	13. A method according to claim 11 wherein m and n
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1	14. A method according to claim 11 wherein m and n
2	are 4.
1 .	15. A method according to claim 11 wherein R and R'
2	are alkyl.
1	16. A method according to claim 11 wherein R and R'
2	are aralkyl.
1	17. A method according to claim 11 wherein R and R'
2	are methyl.

1	18.	A method according to claim 11 wherein R and R'
2	are ethyl.	
1	19.	A method according to claim 11 wherein R and R'
2	are propyl.	
1	20.	A method according to claim 11 wherein R and R'
2	are benzyl.	